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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/612,404	07/03/2003	Hitoshi Otani	035924-0109	3584
	7590 01/08/2008 LARDNER LLP	3	EXAMINER	
SUITE 500			YENKE, BRIAN P	
3000 K STREE WASHINGTO			ART UNIT	PAPER NUMBER
			2622	
			MAIL DATÉ	DELIVERY MODE
			01/08/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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	Application No.	Applicant(s)				
	10/612,404	OTANI ET AL.				
Office Action Summary	Examiner	Art Unit				
	BRIAN P. YENKE	2622				
The MAILING DATE of this communicati Period for Reply	on appears on the cover sheet wit	h the correspondence address				
A SHORTENED STATUTORY PERIOD FOR WHICHEVER IS LONGER, FROM THE MAIL! - Extensions of time may be available under the provisions of 37 after SIX (6) MONTHS from the mailing date of this communical if NO period for reply is specified above, the maximum statutor Failure to reply within the set or extended period for reply will, it Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b).	ING DATE OF THIS COMMUNIC CFR 1.136(a). In no event, however, may a rention. y period will apply and will expire SIX (6) MONT by statute, cause the application to become ABA	CATION. sply be timely filed ITHS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).				
Status						
,-						
,	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
closed in accordance with the practice u	inder Ex parte Quayle, 1935 C.D.	. 11, 453 O.G. 213.				
Disposition of Claims						
4) ⊠ Claim(s) 1-5 and 10-15 is/are pending ir 4a) Of the above claim(s) 6-9 and 16-21 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 1-5 and 10-15 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction	is/are withdrawn from considerat	ion.				
Application Papers	·	•				
9) The specification is objected to by the Ex 10) The drawing(s) filed on 03 July 2003 is/a Applicant may not request that any objection Replacement drawing sheet(s) including the 11) The oath or declaration is objected to by	re: a)⊠ accepted or b)☐ object to the drawing(s) be held in abeyan correction is required if the drawing(ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119	•					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-93) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 3/12/04, 11/19/03, 07/03/03.	Paper No(s	ummary (PTO-413))/Mail Date formal Patent Application				

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DETAILED ACTION

Election/Restrictions

1. Claims 6-9 and 16-21 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim. Election was made without traverse in the reply filed on 9/27/07.

Claim Rejections - 35 USC § 102

- 2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:
 - (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- Claims 1, 10 and 12-15 are rejected under 35 U.S.C. 102(e) as being anticipated by Zhang, US 6,437,823.

In considering claims 1, 10 and 12-15,

- a) the claimed a mark extracting part... is met by steps 200, 202 of Fig 2, wherein multiple photographs/images are captured by a camera having a different orientation in each stance, which obtains the various feature points/image points (marks).
- b)-c) the claimed an internal parameter calculating part...is met by step 210 which calculates based upon the multiple captured images the intrinsic and extrinsic parameters of the camera.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject

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matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 2-5 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over by Zhang, US 6,437,823.

In considering claim 2,

Zhang discloses the concept of planar (the claimed flat chart), however Zhange does disclose as references (see reference #9) the concept of stereo camera and calibration thus being an obvious modification/embodiment in the use of Zhangs invention for the immediate purpose of stereo images (application specific/intended use).

In considering claim 3,

As stated above with respect to claim 1, step 210 continuously calculates the intrinsic/extrinsic parameters of the camera, thus meeting the limitations of the claim.

In considering claims 4 and 11

Zhang discloses the concept of calculating parameters of the camera based upon the lens parameters (see claims 5, 10, 11, 19 and 24 of patent). However, Zhang does not disclose the conventional feature "focus" of a camera, although being notoriously well known in the art in the field of endeavor to ensure proper image capturing, the examiner will take "OFFICIAL NOTICE" that focus is a well known feature of cameras and their calibration.

In considering claim 5,

Zhang discloses the radial distortion of the lens as being factors in the camera calibration calculation (see claim 24 of patent).

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure—see newly cited references on attached form PTO-892. The examiner also notes numerous X references annotated in the applicant's cited European Search Report, thus the examiner would like the applicant to clarify the original claims in view of the report, in order to expedite prosecution.

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5. Any inquiry concerning this communication or earlier communications from the examiner should

be directed to Brian Yenke whose telephone number is (571)272-7359. The examiner work schedule is

Monday-Thursday, 0730-1830 hrs.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's Supervisor,

David L. Ometz, can be reached at (571)272-7593.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(571)-273-8300

Any inquiry of a general nature or relating to the status of this application or proceeding should be

directed to the Technology Center 2600 Customer Service Office whose telephone number is

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03 December 2007

FRIMARY EXAMINEN